DT15 Rec'd PCT/PTO 2 2 SEP 2004

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
		Application Number	10/5099		
INIEODM	ATION DISCLOSURE	Filing Date	09-22-2004 10/508 9		
		First Named Inventor	Avto Tavkhelidze		
	ENT BY APPLICANT	Art Unit			
(Use as many sheets as necessary)		Examiner Name			
et 1	of 3	Attorney Docket Number	12079		

Sheet

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	<del> </del>	US- 3,740,592 A	06-19-1973	Engdahl et al.	
		<sup>US-</sup> 4,011,582 A	03-08-1977	Cline et al.	
		<sup>US-</sup> 4,063,965 A	12-20-1977	Cline et al.	
		<sup>US-</sup> 5,336,547 A	08-09-1994	Kawakita et al.	
		<sup>US-</sup> 5,917,156 A	06-29-1999	Nobori et al.	
		<sup>US-</sup> 6,214,651 B1	04-10-2001	Cox	
		<sup>US-</sup> 6,225,205 B1	05-01-2001	Kinoshita	
		<sup>US-</sup> 2001/0046749 A1	11-29-2001	Tavkhelidze et al.	
		<sup>US-</sup> 6,417,060 B2	07-09-2002	Tavkhelidze et al.	
		<sup>US-</sup> 5,722,242 A	03-03-1998	Edelson	
		<sup>US-</sup> 5,675,972 A	10-14-1997	Edelson	
		<sup>US-</sup> 4,039,352 A	08-02-1977	Marinescu	
		<sup>US-</sup> 5,699,668 A	12-23-1997	Cox	
		<sup>US-</sup> 2003/0068431 A1	04-10-2003	Taliashvili et al.	•
		<sup>US-</sup> 6,117,344 A	09-12-2000	Cox et al.	
		<sup>US-</sup> 5,503,963 A	04-02-1996	Hifano	
		<sup>US-</sup> 6,281,514 A	08-28-2001	Tavkhelidze	
		<sup>US-</sup> 5,068,535 A	11-26-1991	Rabalais	
		<sup>US-</sup> 5,604,357 A	02-18-1997	Hori	

Examiner Initials*	Cite No.1	FORE Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
		WO 99/13562 A1	03-18-1999	Tavkhelidze et		
		WO 99/64642 A	12-16-1999	Tavkhelidze		
		JP 4080964 A	03-13-1992	Ando		
						L

		· · · · · · · · · · · · · · · · · · ·
Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO	Cor	Complete if Known			
	Application Number	10/50891			
INFORMATION DISCLOSURE	Filing Date	09-22-2004			
	First Named Inventor	Avto TAVKHELIDZE			
STATEMENT BY APPLICANT	Art Unit				
(Use as many sheets as necessary)	Examiner Name				
neet 2 of 3	Attorney Docket Number				

Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 4,686,162	08-11-1987	Stangl et al.	
		<sup>US-</sup> 5,023,671	06-11-1991	DiVincenzo et al.	
		<sup>US-</sup> 5,119,151 A	06-02-1992	Onda	
		<sup>US-</sup> 5,229,320 A	07-20-1993	Ugajin	
		<sup>US-</sup> 5,233,205 A	08-03-1993	Usagawa et al.	
		<sup>US-</sup> 5,247,223 A	09-21-1993	Mori et al.	
		<sup>US-</sup> 5,332,952 A	07-26-1994	Ugajin et al.	
		<sup>US-</sup> 5,371,388 A	12-06-1994	Oda	
		<sup>US-</sup> 5,432,362 A	07-11-1995	Lippens et al.	
		<sup>US-</sup> 5,521,735 A	05-28-1996	Shimizu et al.	
		<sup>US-</sup> 5,579,232 A	11-26-1996	Tong et al.	
		<sup>US-</sup> 5,654,557 A	08-05-1997	Taneya et al.	
		<sup>US-</sup> 5,719,407 A	02-17-1998	Ugajin	
-		<sup>US-</sup> 5,722,242 A	03-03-1998	Edelson	
		US- 5,772,905 A	06-30-1998	Chou	
		<sup>US-</sup> 6,117,344 A	09-12-2000	Cox et al.	
		<sup>US-</sup> 6,281,514 B1	08-28-2001	Tavkhelidze	
		US-			
		US-			

		FORE	IGN PATENT DOCU	MENTS	_	
Examiner Cite Initials* No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
			MM-DD-YYYY		Or Relevant Figures Appear	T

Examiner	Date	te	
Signature	Con	nsidered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nich document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

## DT15 Rec'd PCT/PTO 2 2 SEP 2004

PTO/SB/08B (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO			Complete if Known			
545541430 IST IST 144571 10		Application Number	10/508914			
INFORMAT	TION DIS	CLOSURE	Filing Date	09-22-2004		
STATEME	STATEMENT BY APPLICANT			Avto TAVKHELIDZE		
(liee as n	nany sheets as ne	ececany)	Art Unit			
(036 83 11	iany sneets as m	ocessary)	Examiner Name			
Sheet 3	of	3	Attorney Docket Number			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHOU et al., Imprint Lithography with 25 Namometer Resolution, SCIENCE, 04-05-96, pp85-87, vol 272.	
	į		
-	:		
Evaminer	1	Date	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.